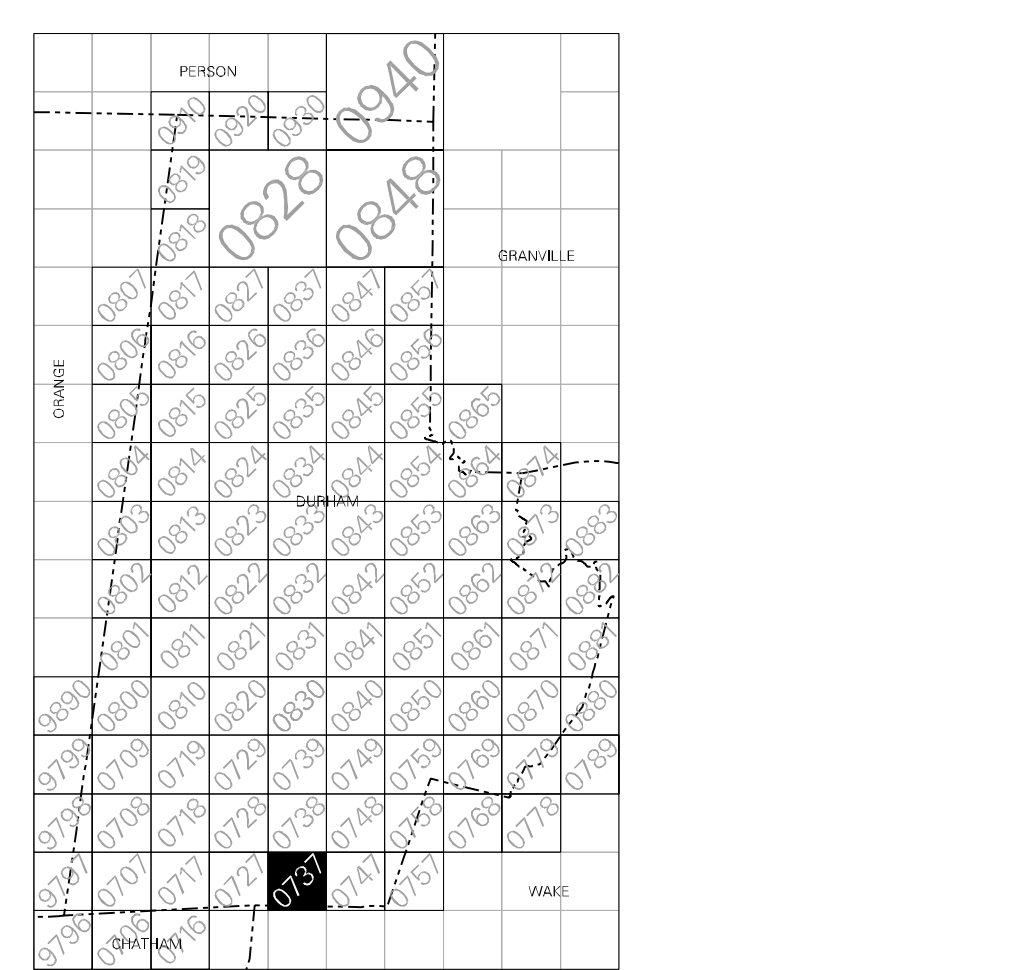


STATE OF NORTH CAROLINA FIRM PANEL LOCATOR DIAGRAM



DATUM INFORMATION

The **projection** used in the preparation of this map was the North Carolina State Plane (NAD83/Zone 3200). The **horizontal datum** was the North American Datum of 1983, GRS80 ellipsoid. Differences in datum, ellipsoid, projection, or Universal Transverse Mercator zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdictional boundaries. These differences do not affect the accuracy of this FIRM. All coordinates on this map are in U.S. Survey Feet, where 1 U.S. Survey Foot = 1200/3937 Meters.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988 (NAVD 88). These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. An average offset between NAVD 88 and the National Geodetic Vertical Datum of 1929 (NGVD 29) has been computed for each North Carolina county. This offset was then applied to the NGVD 29 flood elevations that were not revised during the creation of this statewide format FIRM. The offsets for each county shown on this FIRM panel are shown in the vertical datum offset table below. Where a county boundary and a flooding source with unrevised NGVD 29 flood elevations are coincident, an individual offset has been calculated and applied during the creation of this statewide format FIRM. See Section 6.1 of the accompanying Flood Insurance Study report to obtain further information on the conversion of elevations between NAVD 88 and NGVD 29. To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the North Carolina Geodetic Survey at the address shown below. You may also contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at www.ngs.noaa.gov.

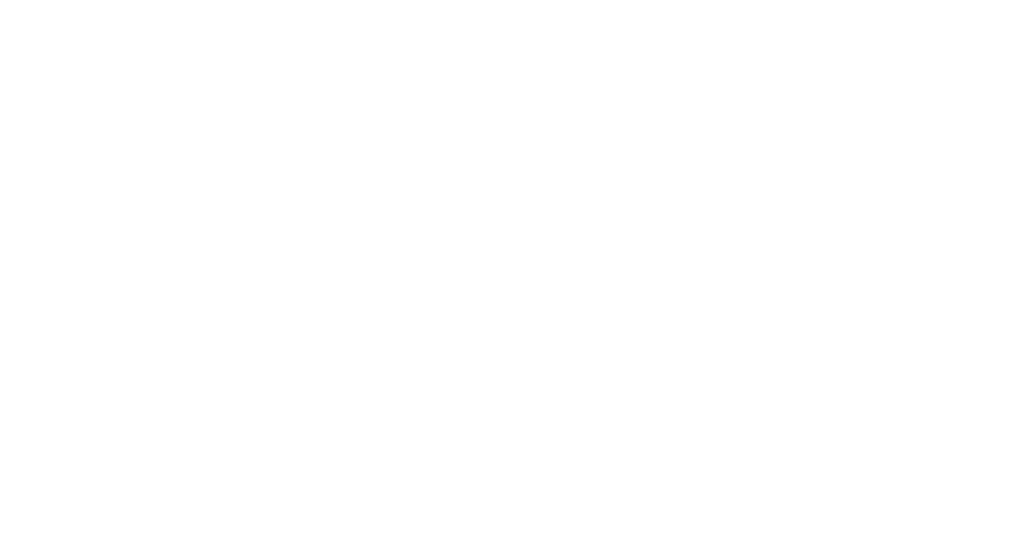
North Carolina Geodetic Survey 121 West Jones Street Raleigh, NC 27601 (919) 733-3636 www.ncgs.state.nc.us	County Average Vertical Datum Offset Table <table> <tr> <th>County</th><th>Vertical Datum Offset (ft)</th></tr> <tr> <td>Durham</td><td>- 0.83</td></tr> <tr> <td>Wake</td><td>- 0.88</td></tr> </table> <p>Example: NAVD 88 = NGVD 29 + (-0.83)</p>	County	Vertical Datum Offset (ft)	Durham	- 0.83	Wake	- 0.88
County	Vertical Datum Offset (ft)						
Durham	- 0.83						
Wake	- 0.88						

All streams listed in the **Flood Hazard Data Table** below were studied by detailed methods using field survey. Other flood hazard data shown on this map may have been derived using either a coastal analysis or limited detailed riverine analysis. More information on the flooding sources studied by these analyses is contained in the Flood Insurance Study report.

FLOOD HAZARD DATA TABLE					1% Annual Chance (10-year) Future Conditions Water-Surface Elevation (feet NGVD 88)	1% Annual Chance (10-year) Future Conditions Water-Surface Elevation (feet NAVD 88)	Floodway Width (feet) Left Right Distance from the Center of Stream to Encroachment Boundary (feet) (feet) (feet) Total Floodway Width
Burdens Creek	Cross Section	Stream Station	Flood Discharge (cfs)				
004	408		4,390	248.7 ^a	245.9		400 / 300
025	2,473		4,390	251.3	251.6		315 / 280
038	3,782		4,390	258.8	260.2		500 / 150
042	4,194		4,390	259.8	260.2		500 / 100
048	4,599		4,390	259.9	260.2		325 / 100
051	5,072		4,250	260.0	260.3		180 / 250
058	5,800		4,250	260.1	260.4		85 / 280
068	6,760		4,250	261.0	261.3		275 / 264
083	8,326		2,960	265.2	265.8		90 / 140
089	8,887		2,960	265.4	266.1		275 / 60
094	9,424		2,960	265.8	266.3		310 / 250
099	9,923		2,960	267.0	267.3		100 / 226
108	10,811		1,960	268.3	268.6		125 / 226
113	11,264		1,960	268.9	269.1		40 / 190
117	11,759		1,960	270.2	270.4		40 / 180
BURDENS CREEK TRIBUTARY							
004	411	NA		264.5 ^b	NA		111
KIT CREEK TRIBUTARY (BASIN 25, STREAM 11)							
076	7,680	NA		276.2	NA		83
079	7,820	NA		270.1	NA		80
NORTHEAST CREEK							
368	36,764	8,790		247.6	248.2		680 / 675
369	38,937	5,490		249.3	249.8		1,685 / 240
420	29,987	5,490		249.6	250.1		1,260 / 275
408	40,772	5,490		250.0	250.5		565 / 355
422	42,169	5,490		252.8	253.4		350 / 172
426	42,645	5,490		253.0	253.6		691 / 172
432	43,180	5,490		253.9	254.5		720 / 220
437	43,733	5,490		253.4	254.0		816 / 174

^a Feet above mouth. ^b Elevation includes backwater effects from Northeast Creek.

^c Elevation includes backwater effects from Burdens Creek.



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